

II. CLAIMS

1. (Previously Presented) A method for controlling the operation of a mobile station (MS) in a packet switched communication network based on a cellular network, which communication network is arranged to transfer information using downlink or uplink data transmission between a base station (BTS) and at least one mobile station (MS) by means of a radio channel, comprising the steps of:

using a transmission power on a set level on the radio channel to transfer information;

transmitting information that is divided into successive blocks of the downlink data transmission from the base station (BTS) to the mobile station (MS) on the radio channel;

and wherein one of said blocks comprises information (PR) on the transmission power level of said one block of the downlink data transmission or another block of the downlink data transmission to be transmitted subsequently.

2. (Original) The method according to claim 1, wherein said one block comprises information (PR) on the transmission power level of another block to be transmitted next.

3. (Original) The method according to claim 1, wherein said one block comprises information (PR) on the transmission power level of said one block.

4. (Original) The method according to claim 1, wherein an RLC block according to the GPRS system is used as said one block, and information (PR) on the transmission power level is transmitted by means of an MAC header in the RLC block.

5. (Original) The method according to claim 4, wherein the transmission power level (PR) is indicated by means of bits contained in an octet of said MAC header, and at least some of the bits being arranged for an TFI field (TFI) in a way known as such.

6. (Original) The method according to claim 1, wherein the transmission power level is indicated as a difference (PR) with respect to a known reference level.

7. (Original) The method according to claim 6, wherein said known reference level used is a BCCH channel according to the GPRS system.

8. (Previously Presented) A communication system for implementing packet switched data transmission based on a cellular network, which communication system is arranged to transmit information using downlink or uplink data transmission between a base station (BTS) and at least one mobile station (MS) by means of a radio channel, comprising:

means for arranging data transmission on the radio channel to take place with a transmission power on a set level, and

means for arranging the radio channel to transmit information that is divided into successive blocks of the downlink data transmission, from the base station (BTS) to the mobile station (MS), and

means for also arranging the communication system to transmit one of said blocks containing information (PR) on the transmission power level of said one block or another block to be transmitted subsequently, via a radio channel.

9. (Previously Presented) A wireless communication device, arranged to function in a communication system, which communication system is arranged to implement packet switched data transmission based on a cellular network, and which communication system is arranged to transmit information using downlink or uplink data transmission between a base station (BTS) and said wireless communication device (MS) by means of a radio channel, comprising:

means for arranging data transmission on the radio channel to take place with a transmission power on a set level, and

means for arranging the radio channel to transmit information that is divided into successive blocks of the downlink data transmission, from the base station (BTS) to the wireless communication device (MS), and

means in the wireless communication device (MS) arranged to receive one of said blocks transmitted by the base station

(BTS) on the radio channel, which one block contains information (PR) on the transmission power level of said one block or another block to be transmitted subsequently.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Previously Presented) The method of claim 1 further comprising the mobile station using the transmission power level information to determine if a change in a received signal is caused by the base station or an environmental change.

14. (Previously Presented) The method of claim 1 further comprising using the transmission power level information to adjust at least one parameter in the mobile station.

15. (Previously Presented) The method of claim 14 wherein the parameter is timing, frequency or amplification.

16. (Previously Presented) The method of claim 1 further comprising the mobile station using the transmission power level information to adjust a reception level in the mobile station to a correct range.

17. (Previously Presented) The method of claim 1 further comprising adding the information on the transmission power level to the block when the block is transmitted.

18. (Previously Presented) The method of claim 1 wherein the information on the transmission power level is determined on a transmission end of the radio channel.

19. (Previously Presented) The communication system of claim 8 wherein the information (PR) on the transmission power level is the transmission power level at the transmitting end of the radio channel.

20. (Previously Presented) The communication device of claim 9, further comprising the one of said blocks including information on the transmission power level at the transmitting end of the radio channel.